1978 INDEX

A/D Conversions

Expand Your KIM! (Part 5)	Blankenship	60	May
The Amazing 1802: D/A and A/D Applications	Cotter	102	Aug

Apple

Rocket Pilot	Bishop	90	Jan
Star Wars	Bishop	52	Feb
Kid Korner—Letter Discrimination	Victor	80	Feb
The Remarkable Apple II	Bishop	62	Nov

ASCII

Manipulating ASCII Data	Ward	98	Feb
Baudot, Meet the H8	Nurse	46	Jun
One Keyboard: Hex and ASCII	Copes	57	Jun
ASCII to Baudot	Lehman, Graham	80	Jun
Baudot Interface Cookbook	Reed, Haglund	66	Sep
Use That Parity Line!	Owen	94	Oct

Base Conversions

Computer Math Primer	Stark	48	May
From Base to Base—with your HP25	Biglow	80	Aug
Universal Number Converter	Beymer	67	Nov

Buses

Kilobaud Klassroom No. 10	Young	54	May
Compatibility and the Altair Bus	Fuller	100	Jul
Kilobaud Klassroom No. 11	Stark	36	Aug
What Is a Bus?	Pfeiffer	94	Nov

Business Applications

Business Applications	Brehm	22	Jan
Inventory, Accounts and Reports	Warren, Bailey	34	Feb
Small Business Software (Part 1)	McCaig	38	Feb
Small Business Software (Part 2)	McCaig	76	Mar
A Simple Mailing System	Gibson	78	May
Bowling Scores for Dollars	Roehrig	84	Jun
Revolving Charge Account Calculations	Gorney	34	Jul
Retail Pricing System	Hughes	108	Jul
DOCUFORM	Fitchhorn	22	Aug
FINANC	Palenik	84	Aug
At Last: A Client Timekeeping System	Welborn	32	Sep
Depreciation Calculations	Musgrove	40	Oct
Point of Sale/Inventory Control System for 8080s	Barker	46	Nov
The Ups and Downs of Business	Wright	80	Dec

Cassettes

One Byte at a Time (Morrow I/O cassette board)	Alevy	106	Jan
Hear It *and* See It!	Gibson	40	Mar
Cassette Recorder Disaster: Ground Loops	Waterman, Lien	110	May
Kansas City Standard—at 1200 Baud	Hallen	48	Aug
Copying Computer Cassettes	Stark	94	Aug
Error-Correcting Techniques	Shannon	80	Sep
Something Extra in Mass Storage	Matuschka	106	Sep
The Software Patchcord	Leavey	96	Oct
The Care and Feeding of Cassette Tapes	Tarnopol	44	Dec

Computers in Business

Poorly Designed Small-Business Systems	Luby	46	Apr
Trials and Tribulations	Badgett	36	May
The Malibu Model 160 Printer	Dederick	60	Jun
Will DEC and IBM Be the Final Winners?	Badgett	80	Oct

Disks

I/O Programming for the Altair Disks	Alexander	92	Mar
CP/M Primer	Stewart	30	Apr
How to Make Your SWTP System Happy	Ferguson	40	Apr
The North Star Floppy System	DiBlasi	76	May
Scratched Diskette?	Miller	106	Dec

Displays

Displaying Hexadecimal	Maciorowski	104	Apr
Build a Touch-Response Display	Barbier	110	Apr
TV Modification or the TV-1?	Bosen	88	Oct

EPROMs

Faster Erase Times	Simon	90	Mar
Avoid Program Loading and Reloading	Johnson	98	Apr

Games

Rocket Pilot	Bishop	90	Jan
How Are You Feeling Today? (biorhythms)	Woods	24	Feb
Star Wars	Bishop	52	Feb
Ready on the Firing Line?	Wigger	66	Feb
Deflection!	Recupero	112	Feb
State Capitals	Alverson	28	Mar
Number-Crunching Time	Baker	42	Mar
Tiger Trouble!	O'Connell	106	Mar
A Different Approach to HI-LO	Doliner	120	Mar
3-D Tic-Tac-Toe	Roehrig	66	Apr
Kid Korner: Cash Register	Victor	82	Apr
Incredizing	Tubb	90	Apr
Cross-Country Balloon Trip	Oglesby	68	Jun
Battleship!	Dyk	84	Jul
Swords and Sorcery!	Turrie	54	Aug
Update: Lunar Lander	Shore	69	Aug
From Base to Base	Biglow	80	Aug
Tally Ho!	Inman	62	Sep
Action on the Enterprise	Juge	76	Oct
Ready for the Nuthouse?	Stark	108	Oct
Lucas' Puzzle	Colsher	98	Nov
Spelling Bee	Moody	64	Dec
Attention, Chess Buffs!	Orr	74	Dec

General Interest

It's Your Hobby	Hamilton	108	Jan
Glossary	Didday	118	Jan
The Music Man	Clarke	46	Feb
Read any Good Books Lately?	Gerbens	104	Feb
Consumer Computer, Inc.	Roehrig	64	Mar
Backup Techniques	Colsher	74	Mar
Temperature Sensing	Bauernschub	110	Mar
Kilobaud's Mystery Program	Rugg, Feldman	22	Apr
5 Minutes or 5 Hours?	Doyle	100	May
A Tour of the Faire (Part 1)	Craig	36	Jun
Personal Computing Shows	Ferrel	67	Jun
Computers in Classrooms	Leventhal	100	Jun
A Tour of the Faire (Part 2)	Craig	36	Jul
First Statement	Starr	68	Jul
Write Around What You Don't Have	Starr	68	Jul
Computer-Generated Signs	Roehrig	90	Aug
Who Needs a UART?	Greeb	108	Aug
Can't Find It?	Thomas	110	Aug
Gate Delays: Not To Be Overlooked!	Tenny	89	Oct
View from the Far East	Becker	90	Oct
A Useful Address List Program	Wantz, Bateman	102	Oct
A "Gift" That Keeps on Giving	Fehringer	30	Dec
The Art of Generating Expense Reports		32	Dec
SWTP Write Protect Option	Gaugler	60	Dec
How to Write Good Application Programs	Shah	94	Dec

Graphics Displays

TVT Hardware Design	Lancaster	64	Jan
Finally: 8080 Meets the Fairchild Video Game	Huffman	116	Apr
Draw Dazzling Color Graphics	Rick	52	Jul
Dazzler and BASIC	Rick	64	Oct
Raster Scan Graphics for the 6800 (Part 1)	Koh	26	Nov
Raster Scan Graphics for the 6800 (Part 2)	Koh	56	Dec

Hardware Construction

Hear It *and* See It!	Gibson	40	Mar
Protect Your Memory	Carpenter	73	Mar
Faster Erase Times	Simon	90	Mar
Get a Watchdog	Brickner	118	Apr
Eliminating Finger Blisters	Tuenge, Sargent	74	Jul
Simple and Low-Cost PROM Programmer	Hayek	94	Jul
Do-It-All Expansion Board for KIM	Young	58	Sep
Super Cheap 2708 Programmer	Grina	100	Sep
Let Your Computer Wear a Watch	Brooks	52	Oct
Want to Buy a Little Insurance?	Starr	89	Oct
Hey, Kids! It's "Mickey Modem"!	Gibson	52	Nov

1978 INDEX

A/D Conversions

Expand Your KIM! (Part 5)	Blankenship	60	May
The Amazing 1802: D/A and A/D Applications	Cotter	102	Aug

Apple

Rocket Pilot	Bishop	90	Jan
Star Wars	Bishop	52	Feb
Kid Korner—Letter Discrimination	Victor	80	Feb
The Remarkable Apple II	Bishop	62	Nov

ASCII

Manipulating ASCII Data	Ward	98	Feb
Baudot, Meet the H8	Nurse	46	Jun
One Keyboard: Hex and ASCII	Copes	57	Jun
ASCII to Baudot	Lehman, Graham	80	Jun
Baudot Interface Cookbook	Reed, Haglund	66	Sep
Use That Parity Line!	Owen	94	Oct

Base Conversions

Computer Math Primer	Stark	48	May
From Base to Base—with your HP25	Biglow	80	Aug
Universal Number Converter	Beymer	67	Nov

Buses

Kilobaud Klassroom No. 10	Young	54	May
Compatibility and the Altair Bus	Fuller	100	Jul
Kilobaud Klassroom No. 11	Stark	36	Aug
What Is a Bus?	Pfeiffer	94	Nov

Business Applications

Business Applications	Brehm	22	Jan
Inventory, Accounts and Reports	Warren, Bailey	34	Feb
Small Business Software (Part 1)	McCaig	38	Feb
Small Business Software (Part 2)	McCaig	76	Mar
A Simple Mailing System	Gibson	78	May
Bowling Scores for Dollars	Roehrig	84	Jun
Revolving Charge Account Calculations	Gorney	34	Jul
Retail Pricing System	Hughes	108	Jul
DOCUFORM	Fitchhorn	22	Aug
FINANC	Palenik	84	Aug
At Last: A Client Timekeeping System	Welborn	32	Sep
Depreciation Calculations	Musgrove	40	Oct
Point of Sale/Inventory Control System for 8080s	Barker	46	Nov
The Ups and Downs of Business	Wright	80	Dec

Cassettes

One Byte at a Time (Morrow I/O cassette board)	Alevy	106	Jan
Hear It *and* See It!	Gibson	40	Mar
Cassette Recorder Disaster: Ground Loops	Waterman, Lien	110	May
Kansas City Standard—at 1200 Baud	Hallen	48	Aug
Copying Computer Cassettes	Stark	94	Aug
Error-Correcting Techniques	Shannon	80	Sep
Something Extra in Mass Storage	Matuschka	106	Sep
The Software Patchcord	Leavey	96	Oct
The Care and Feeding of Cassette Tapes	Tarnopol	44	Dec

Computers in Business

Poorly Designed Small-Business Systems	Luby	46	Apr
Trials and Tribulations	Badgett	36	May
The Malibu Model 160 Printer	Dederick	60	Jun
Will DEC and IBM Be the Final Winners?	Badgett	80	Oct

Disks

I/O Programming for the Altair Disks	Alexander	92	Mar
CP/M Primer	Stewart	30	Apr
How to Make Your SWTP System Happy	Ferguson	40	Apr
The North Star Floppy System	DiBlasi	76	May
Scratched Diskette?	Miller	106	Dec

Displays

Displaying Hexadecimal	Maciorowski	104	Apr
Build a Touch-Response Display	Barbier	110	Apr
TV Modification or the TV-1?	Bosen	88	Oct

EPROMs

Faster Erase Times	Simon	90	Mar
Avoid Program Loading and Reloading	Johnson	98	Apr

Games

Rocket Pilot	Bishop	90	Jan
How Are You Feeling Today? (biorhythms)	Woods	24	Feb
Star Wars	Bishop	52	Feb
Ready on the Firing Line?	Wigger	66	Feb
Deflection!	Recupero	112	Feb
State Capitals	Alverson	28	Mar
Number-Crunching Time	Baker	42	Mar
Tiger Trouble!	O'Connell	106	Mar
A Different Approach to HI-LO	Doliner	120	Mar
3-D Tic-Tac-Toe	Roehrig	66	Apr
Kid Korner: Cash Register	Victor	82	Apr
Incredizing	Tubb	90	Apr
Cross-Country Balloon Trip	Oglesby	68	Jun
Battleship!	Dyk	84	Jul
Swords and Sorcery!	Turrie	54	Aug
Update: Lunar Lander	Shore	69	Aug
From Base to Base	Biglow	80	Aug
Tally Ho!	Inman	62	Sep
Action on the Enterprise	Juge	76	Oct
Ready for the Nuthouse?	Stark	108	Oct
Lucas' Puzzle	Colsher	98	Nov
Spelling Bee	Moody	64	Dec
Attention, Chess Buffs!	Orr	74	Dec

General Interest

It's Your Hobby	Hamilton	108	Jan
Glossary	Didday	118	Jan
The Music Man	Clarke	46	Feb
Read any Good Books Lately?	Gerbens	104	Feb
Consumer Computer, Inc.	Roehrig	64	Mar
Backup Techniques	Colsher	74	Mar
Temperature Sensing	Bauernschub	110	Mar
Kilobaud's Mystery Program	Rugg, Feldman	22	Apr
5 Minutes or 5 Hours?	Doyle	100	May
A Tour of the Faire (Part 1)	Craig	36	Jun
Personal Computing Shows	Ferrel	67	Jun
Computers in Classrooms	Leventhal	100	Jun
A Tour of the Faire (Part 2)	Craig	36	Jul
First Statement	Starr	68	Jul
Write Around What You Don't Have	Starr	68	Jul
Computer-Generated Signs	Roehrig	90	Aug
Who Needs a UART?	Greeb	108	Aug
Can't Find It?	Thomas	110	Aug
Gate Delays: Not To Be Overlooked!	Tenny	89	Oct
View from the Far East	Becker	90	Oct
A Useful Address List Program	Wantz, Bateman	102	Oct
A "Gift" That Keeps on Giving	Fehringer	30	Dec
The Art of Generating Expense Reports		32	Dec
SWTP Write Protect Option	Gaugler	60	Dec
How to Write Good Application Programs	Shah	94	Dec

Graphics Displays

TVT Hardware Design	Lancaster	64	Jan
Finally: 8080 Meets the Fairchild Video Game	Huffman	116	Apr
Draw Dazzling Color Graphics	Rick	52	Jul
Dazzler and BASIC	Rick	64	Oct
Raster Scan Graphics for the 6800 (Part 1)	Koh	26	Nov
Raster Scan Graphics for the 6800 (Part 2)	Koh	56	Dec

Hardware Construction

Hear It *and* See It!	Gibson	40	Mar
Protect Your Memory	Carpenter	73	Mar
Faster Erase Times	Simon	90	Mar
Get a Watchdog	Brickner	118	Apr
Eliminating Finger Blisters	Tuenge, Sargent	74	Jul
Simple and Low-Cost PROM Programmer	Hayek	94	Jul
Do-It-All Expansion Board for KIM	Young	58	Sep
Super Cheap 2708 Programmer	Grina	100	Sep
Let Your Computer Wear a Watch	Brooks	52	Oct
Want to Buy a Little Insurance?	Starr	89	Oct
Hey, Kids! It's "Mickey Modem"!	Gibson	52	Nov

Build a Serial-to-Parallel Converter ... Ruckdeschel 84 Nov
BASIC Control of Servomechanisms ... Sabot 88 Dec

Hardware (or System) Mods

Hardware Program Relocation (Part 1) ... Wingfield 60 Jan
Your Imsai and You ... Spaniol 86 Jan
Tuned for Speed ... Gille 58 Feb
Expand Your KIM! (Part 3) ... Blankenship 68 Feb
Hardware Program Relocation (Part 2) ... Wingfield 24 Mar
Expand Your KIM! (Part 4) ... Blankenship 84 Mar
Turn It Off! ... Lien, Waterman 114 Apr
Expand Your KIM! (Part 5) ... Blankenship 60 May
Modify Your COSMAC Elf ... Hutchinson 108 Nov

Hardware Techniques

Interfacing Tips ... Boyd 72 Feb
Kilobaud Klassroom No. 9 ... Young 76 Feb
Make Your Own PC Boards ... Young, Grater 24 Apr
Home Brewing in Style ... Kuca 100 Nov
Sharing Scheme for RS-233 Channels ... Bosen 100 Dec

Heath

Baudot, Meet the H8 ... Nurse 46 Jun
Build It, Tear It Down (Heathkit ET-3300) ... Sabot 50 Jul
The Do-It-Yourself System: Heath's H8 ... Morgan 70 Aug
The Heath/DEC Connection (Part 1) ... Lionel 52 Sep
The Heath/DEC Connection (Part 2) ... Lionel 36 Oct

Hobby Applications

Two Hobbies: Model Railroading and Computing ... Zimmerli 26 Jul
Two Hobbies: Model Railroading and Computing ... Zimmerli 62 Aug
Receive Morse Code the Easy Way ... Kurtz 34 Nov

Home Applications

Consumer Computer, Inc. ... Roehrig 64 Mar
Money Manipulations ... Barbier 90 May
A Strategy for Healthy Living ... Gerbens 32 Jun
Revolving Charge Account Calculations ... Gorney 34 Jul
FINANC ... Palenik 84 Aug

Home-Brew

Build the "Simple Computer" ... Whipple 16 Mar
Displaying Hexadecimal ... Maciorowski 104 Apr
Home-Brew Z-80 System (Part 1) ... Thagard 26 Jun
One Keyboard: Hex and ASCII ... Copes 57 Jun
Home-Brew Z-80 System (Part 2) ... Thagard 80 Jul
Budget System with KIM ... Trageser 26 Oct
Home Brewing in Style ... Kuca 100 Nov

Humor

The Great Computer Conspiracy ... Woeltjen 64 Jun
Is There Intelligent Life in Your Computer Room? ... Haygood 76 Aug

Interfacing

Software Keyboard Interface ... Chamberlin 98 Jan
Interfacing Tips ... Boyd 72 Feb
How Good Is Tarbell's Floppy Interface? ... Fukumoto 96 Feb
Super Terminal! (Burroughs 9350-2) ... Derynck 48 Mar
Expand Your KIM! (Part 4) ... Blankenship 84 Mar
Two Systems Sharing the Same Bus ... Boyd 92 Jun
Kansas City Standard—at 1200 Baud ... Hallen 48 Aug
Baudot Interface Cookbook ... Reed, Haglund 66 Sep
Interfacing the Elf II ... Cotter 40 Dec

Keyboards

Software Keyboard Interface ... Chamberlin 98 Jan
One Keyboard: Hex and ASCII ... Copes 57 Jun

Kilobaud Klassroom

No. 8: Pulses—and More Pulses ... Young 74 Jan
No. 9: Counters and Registers ... Young 76 Feb
No. 10: Bus Traffic Control ... Young 54 May
No. 11: Data and Address Buses ... Stark 36 Aug
No. 12: ROM and RAM Memories ... Stark 84 Sep
No. 13: I/O Circuitry ... Stark 46 Oct
No. 14: Parallel and Serial I/O Ports ... Stark 38 Nov
No. 15: Computer I/O III ... Stark 48 Dec

KIM

Growing with KIM ... Eaton 36 Jan
Software Keyboard Interface ... Chamberlin 98 Jan
How Are You Feeling Today? ... Woods 24 Feb
Expand Your KIM! (Part 3) ... Blankenship 68 Feb
How Much Memory for a KIM? ... Burhans 118 Feb
Expand Your KIM! (Part 4) ... Blankenship 84 Mar
Expand Your KIM! (Part 5) ... Blankenship 60 May
Atwood Memory for Your KIM ... Swindle 60 Jul
KIM + Chess = Microchess ... Grossman 74 Aug
Troubleshooters' Guide ... Tenny 40 Sep
Do-It-All Expansion Board for KIM ... Young 58 Sep
KIM Organ ... Ketchum 82 Sep
Budget System with KIM ... Trageser 26 Oct
Not So Tiny ... Carpenter 44 Oct
Build a One-Chip Single Stepper ... Ngai 110 Oct
Receive Morse Code the Easy Way ... Kurtz 34 Nov
Do It with a Kimsi! ... Grossman 60 Nov

Languages

A Tale of Four BASICs ... Didday 50 Jan
Programmed Instruction Made Easy: Tiny PILOT (1) ... Krieger 66 Mar
Programmed Instruction Made Easy: Tiny PILOT (2) ... Krieger 70 Apr
Strings and Things ... Roth 94 May
From Big BASIC to Tiny BASIC ... Colsher 112 Sep

Math

Computer Math Primer ... Stark 48 May
Number Crunching: Two Hardware Solutions ... Osborne 84 May
Develop Your Own Square Root Routine ... Colsher 68 Jul
Metric-American Conversion Program ... Ferguson 46 Sep
Universal Number Converter ... Beymer 67 Nov

Memory Boards

Has Godbout Done It Again? ... Garetz 42 Jan
In Search of Memory (Vandenberg 16K board) ... Matuschka 32 Feb
Blue Is the Color (Solid State Music) ... Kasser 80 Apr
Atwood Memory for Your KIM ... Swindle 60 Jul
Two Interface Boards from Teletek ... Wolrich, DeTray 70 Dec

Memory Expansion

How Much Memory for a KIM? ... Burhans 118 Feb
Two Systems Sharing the Same Bus ... Boyd 92 Jun
Atwood Memory for Your KIM ... Swindle 60 Jul
Do-It-All Expansion Board for KIM ... Young 58 Sep
Do It with a Kimsi! ... Grossman 60 Nov
S-100 Memory for SWTP System ... Mitchell, Poole 90 Nov

Monitor Systems

Customized MIKBUG ... Kinzer 32 Mar
Machine Language for the TRS-80 ... Crenshaw 90 Jun
MIKBUG with Muscle (RT-68/MX) ... Ferguson 64 Jul
String Search: added MIKBUG capability ... Puckett 69 Jul
Budget System with KIM ... Trageser 26 Oct
Deep, Dark Secrets of the TRS-80 (Level I) ... Lewis 36 Dec

Music

Micro Maestro (MEK6800D2) ... Perdue 94 Jan
The Music Man ... Clarke 46 Feb
Blue Is the Color (Solid State Music) ... Kasser 80 Apr
KIM Organ ... Ketchum 82 Sep
Music, Music and More Music ... Hallen 82 Nov

Oscilloscopes

Kilobaud Klassroom No. 8 ... Young 74 Jan
Scope Power (T922) ... Buckman 32 May
Troubleshooters' Guide ... Tenny 40 Sep

Parallel-to-Serial/Serial-to-Parallel Conversion

Kilobaud Klassroom No. 14 ... Stark 38 Nov
Build a Serial-to-Parallel Converter ... Ruckdeschel 84 Nov

PC Boards

Growing with KIM ... Eaton 36 Jan
Make Your Own PC Boards ... Young, Grater 24 Apr

PET

PET's First Report Card ... Wells 22 May
FINANC ... Palenik 84 Aug
Financier/Mortgage with Prepayment ... Borland 50 Nov
Universal Number Converter ... Beymer 67 Nov

Printers

The Axiom EX-800 ... Warren 100 Mar
Space-Saver System ... Burns 36 Apr
What's Happening with the IBM Selectric? ... Clarke 64 May
Taming the I/O Selectric (Part 1) ... Brooks 22 Jun
Baudot, Meet the H8 ... Nurse 46 Jun
The Malibu Model 160 Printer ... Dederick 60 Jun
ASCII to Baudot ... Lehman, Graham 80 Jun
Taming the I/O Selectric (Part 2) ... Brooks 40 Jul
Baudot Interface Cookbook ... Reed, Haglund 66 Sep
Use That Parity Line! ... Owen 94 Oct
Dura/Itel Selectric for Low-Cost Hard Copy ... Aird 22 Dec

Programming

Understanding Loaders. . . . Parsons 70 Jan
Help for Beginning Programmers. . . . Leslie 82 Jan
Why Structured Programming?. . . . Leventhal 84 Feb
Source Listing the Hard Way. . . . Woeltjen 90 Feb
Manipulating ASCII Data. . . . Ward 98 Feb
I/O Programming for the Altair Disks. . . . Alexander 92 Mar
Explained: String Interpretations. . . . Gaugler 86 Apr
The Top-Down Approach. . . . Leventhal 68 May
Strings and Things. . . . Roth 94 May
A Different Search Technique. . . . Charnock 112 May
Tiny BASIC Shortcuts. . . . Carpenter 42 Jun
Transfer Vectors vs Absolute Addressing. . . . Nichparenko 72 Jun
Error-Correcting Codes. . . . Towle 76 Jun
String Expansion for SWTP's BASIC. . . . Puckett 68 Jul
From Big BASIC to Tiny BASIC. . . . Colsher 112 Sep
Not So Tiny. . . . Carpenter 44 Oct
Randomness is Wonderful. . . . Rogers 62 Oct
Hexadecimal Memory Dump. . . . Rasmussen 68 Nov
Loop the Loop. . . . Gross 114 Nov

PROM Programmer

Simple and Low-Cost PROM Programmer. . . . Hayek 94 Jul
Super Cheap 2708 Programmer. . . . Grina 100 Sep

Reviews

Business Applications. . . . Brehm 22 Jan
Has Godbout Done It Again?. . . . Garetz 42 Jan
The TRS-80: how does it stack up?. . . . Juge 44 Jan
Micro Maestro (MEK6800D2). . . . Perdue 94 Jan
In Search of Memory (Vandenberg 16K board). . . . Matuschka 32 Feb
You'll Be Tickled by Fickled. . . . Warren 64 Feb
How Good Is Tarbell's Floppy Interface?. . . . Fukumoto 96 Feb
All in One (Morrow front panel). . . . Baeslack 108 Feb
The Axiom EX-800. . . . Warren 100 Mar
CP/M Primer. . . . Stewart 30 Apr
Space-Saver System. . . . Burns 36 Apr
How to Make Your SWTP System Happy (MF-68). . . . Ferguson 40 Apr
Blue Is the Color (Solid State Music). . . . Kasser 80 Apr
Avoid Program Loading and Reloading (SWTP 4K). . . . Johnson 98 Apr
Finally: 8080 Meets the Fairchild Video Game. . . . Huffman 116 Apr
PET's First Report Card. . . . Wells 22 May
Scope Power (T922). . . . Buckman 32 May
What's Happening with the IBM Selectric?. . . . Clarke 64 May
The North Star Floppy System. . . . DiBlasi 76 May
Number Crunching: Two Hardware Solutions. . . . Osborne 84 May
8080, Z-80 or 8085?. . . . Slater 52 Jun
The Malibu Model 160 Printer. . . . Dederick 60 Jun
Build It, Tear It Down (Heathkit ET-3300). . . . Sabot 50 Jul
MIKBUG with Muscle (RT-68/MX). . . . Ferguson 64 Jul
SWTP's New System. . . . Stark 90 Jul
Compatibility and the Altair Bus. . . . Fuller 100 Jul
Mits vs North Star: Which Is Faster?. . . . Ruckdeschel 44 Aug
The Do-It-Yourself System: Heath's H8. . . . Morgan 70 Aug
KIM + Chess = Microchess. . . . Grossman 74 Aug
Something Extra with Radio Shack's BASIC. . . . Wantz 98 Aug
The Heath/DEC Connection (Part 1). . . . Lionel 52 Sep
Motorola's Latest: The MC6802. . . . Ahrens 92 Sep
TRS-80 Update: Level II BASIC. . . . Juge 96 Sep
Something Extra in Mass Storage. . . . Matuschka 106 Sep
The Heath/DEC Connection (Part 2). . . . Lionel 36 Oct
The Latest in Operating Systems for 6800: FLEX. . . . Ferguson 72 Oct
TV Modification or the TV-1?. . . . Bosen 88 Oct
Voltage Surges. . . . Baggett 88 Oct
Point of Sale/Inventory Control System for 8080s. . . . Barker 46 Nov
Financier/Mortgage with Prepayment. . . . Borland 50 Nov
Do It with a Kimsi!. . . . Grossman 60 Nov
The Remarkable Apple II. . . . Bishop 62 Nov
Music, Music and More Music. . . . Hallen 82 Nov
TSC Text Editor. . . . Anderson 62 Dec
Two Interface Boards from Teletek. . . . Wolrich, DeTray 70 Dec
There *Is* a Better MIKBUG!. . . . Hughes 92 Dec

Terminals

TV Typewriter Update. . . . Woeltjen 36 Mar
Super Terminal! (Burroughs 9350-2). . . . Derynck 48 Mar
Taming the I/O Selectric (Part 1). . . . Brooks 22 Jun
Taming the I/O Selectric (Part 2). . . . Brooks 40 Jul

Time-sharing

Time-sharing for the Home System. . . . McClure 102 Apr
Do-It-Yourself Time-sharing. . . . Kop 104 May

Troubleshooting

Memory Debugging. . . . Brunelli 64 Apr
Writing Diagnostic Routines. . . . Baker 42 May
It's Here: Cook's Memory Test. . . . Hallen 70 Jul
Software Debugging for Beginners. . . . Leslie 40 Aug
Troubleshooters' Guide. . . . Tenny 40 Sep
Build a One-Chip Single Stepper. . . . Ngai 110 Oct
IC Testing: A Complete System. . . . Schwab 70 Nov

TRS-80

The TRS-80: how does it stack up?. . . . Juge 44 Jan
Kid Korner: Cash Register. . . . Victor 82 Apr
Turn It Off!. . . . Lien, Waterman 114 Apr
Machine Language for the TRS-80. . . . Crenshaw 90 Jun
Something Extra with Radio Shack's BASIC. . . . Wantz 98 Aug
TRS-80 Update: Level II BASIC. . . . Juge 96 Sep
Action on the Enterprise. . . . Juge 76 Oct
Deep, Dark Secrets of the TRS-80 (Level I). . . . Lewis 36 Dec

TVTs, TV

TVT Hardware Design. . . . Lancaster 64 Jan
TV Typewriter Update. . . . Woeltjen 36 Mar
Build a Touch-Response Display. . . . Barbier 110 Apr
TV Modification or the TV-1?. . . . Bosen 88 Oct

Utility Routines

Source Listing the Hard Way. . . . Woeltjen 90 Feb
Utility Routines. . . . Fentress 52 Apr
Memory Debugging. . . . Brunelli 64 Apr
Explained: String Interpretations. . . . Gaugler 86 Apr
Time-sharing for the Home System. . . . McClure 102 Apr
Writing Diagnostic Routines. . . . Baker 42 May
Experiments in Software. . . . Stogdill 44 May
5 Minutes or 5 Hours?. . . . Doyle 100 May
String Search: added MIKBUG capability. . . . Puckett 69 Jul
Hexadecimal Memory Dump. . . . Rasmussen 68 Nov

Word Processing

DOCUFORM. . . . Fitchhorn 22 Aug
(Con)text Editor. . . . Law, Mitchell 22 Sep

Z-80

Home-Brew Z-80 System (Part 1). . . . Thagard 26 Jun
A Strategy for Healthy Living. . . . Gerbens 32 Jun
Home-Brew Z-80 System (Part 2). . . . Thagard 80 Jul

1802

The Amazing 1802: D/A and A/D Application. . . . Cotter 102 Aug
Modify Your COSMAC Elf. . . . Hutchinson 108 Nov
Interfacing the Elf II. . . . Cotter 40 Dec

6800

A Tale of Four BASICs. . . . Didday 50 Jan
Hardware Program Relocation (Part 1). . . . Wingfield 60 Jan
Micro Maestro (MEK6800D2). . . . Perdue 94 Jan
Tuned for Speed. . . . Gille 58 Feb
Hardware Program Relocation (Part 2). . . . Wingfield 24 Mar
Customized MIKBUG. . . . Kinzer 32 Mar
Temperature Sensing. . . . Bauernschub 110 Mar
How to Make Your SWTP System Happy. . . . Ferguson 40 Apr
Utility Routines. . . . Fentress 52 Apr
Explained: String Interpretations. . . . Gaugler 86 Apr
Avoid Program Loading and Reloading. . . . Johnson 98 Apr
Do-It-Yourself Time-sharing. . . . Kop 104 May
Two Systems Sharing the Same Bus. . . . Boyd 92 Jun
SWTP's New System. . . . Stark 90 Jul
Retail Pricing System. . . . Hughes 108 Jul
Swords and Sorcery!. . . . Turrie 54 Aug
Metric-American Conversion Program. . . . Ferguson 46 Sep
Tally Ho!. . . . Inman 62 Sep
Let Your Computer Wear a Watch. . . . Brooks 52 Oct
The Latest in Operating Systems for 6800: FLEX. . . . Ferguson 72 Oct
A Useful Address List Program. . . . Wantz, Bateman 102 Oct
Raster Scan Graphics for the 6800 (Part 1). . . . Koh 26 Nov
IC Testing: A Complete System. . . . Schwab 70 Nov
S-100 Memory for SWTP System. . . . Mitchell, Poole 90 Nov
Raster Scan Graphics for the 6800 (Part 2). . . . Koh 56 Dec

8080

Your Imsai and You. . . . Spaniol 86 Jan
Source Listing the Hard Way. . . . Woeltjen 90 Feb
Build the "Simple Computer". . . . Whipple 16 Mar
CP/M Primer. . . . Stewart 30 Apr
Incredizing. . . . Tubb 90 Apr
Time-sharing for the Home System. . . . McClure 102 Apr
8080, Z-80 or 8085?. . . . Slater 52 Jun
Draw Dazzling Color Graphics. . . . Rick 52 Jul
It's Here: Cook's Memory Test. . . . Hallen 70 Jul